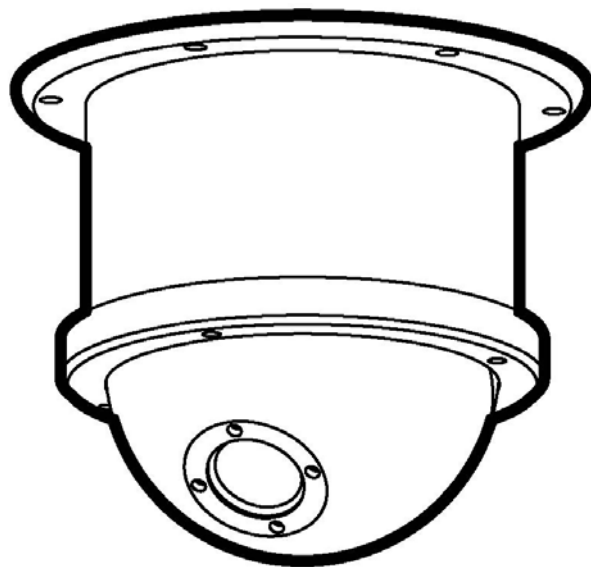


Ex-mark:: Exd II CT6 / DIP A20 TA, T6

ATEX Certificate: CNEx06.1722

License: XK06-123-00251

MANUAL BOOK



Veilux SVEX-Q20 Explosion Proof Dome Camera



Safety Instruction

1. Installation

- „ Please install under required environment
- „ Ensure stable and reliable mounting in case camera be damaged
- „ Ensure supply power same as nameplate marked before equipment being powered
- „ Do not open the flameproof joint and enclosure under humid atmosphere. Because of excellent tightness of the equipment, framing member may rusts after humid air enters flameproof, humidity could not go outside
- „ Connect the cables correctly under the demand of manual book, and press tighten nut.

2. Maintenance

- „ Please shut off before maintenance and repair
- „ Pay attention to the flameproof joint while disassembly and assembly

3. Environmental protection

- „ The products contain spare parts which may pollute the environment, for example: PCB, electric component, plastic goods, lubricating grease and so on. Please collect and control the pollution sources when the equipment is maintained and scrapped. Don't discard it but pass it to environmental department, in case it will influence the environment.

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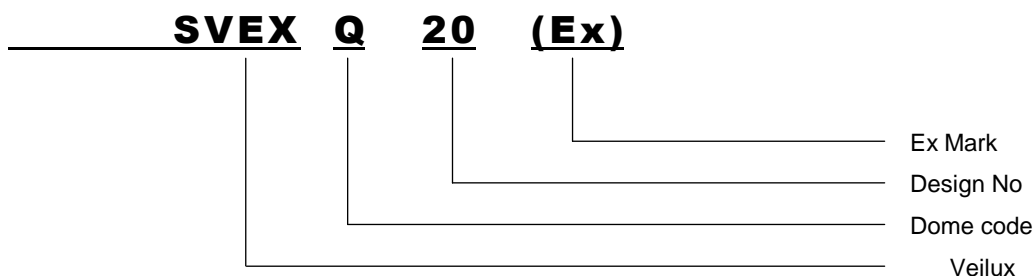
1. 1. Brief

SVEX-Q20 Ex-proof camera is Strictly according to European Directive EC/94/9 and EN50014, Standards of GB3836.1-2000 GB3836.1—2000 Electrical apparatus for explosive atmosphere: General requirements, GB3836.2-2000 Electrical apparatus for explosive atmosphere: Flameproof 'd' and GB12476.1-2000 Electrical apparatus for explosive dust: Using enclosure and limiting surface temperature for protecting electrical apparatus Chapter 1: Technical requirements. The housing is made of stainless steel, Ip68

. High quality color camera and lens are installed inside of **SVEX-Q20 Ex-proof camera**. The camera body is designed reasonable, and it can be manual adjusted monitoring angel. Because of the whole metal body, it can be protected from heavy ex-proof, and beating. It can be used in various environments.

2. Technical data

2.1 Type Code



2.2 Certificate

Ex-marking	Exd II CT6 / DIP A20 TA, T6
Ex Certificate	CNEx06.1722
ATEX Certificate	XK06-123-00251

2.3 Electrical

Input Voltage	12VDC
Working Current	U200mA
Power Consumption	2.4W
Electric Connection	
Power input	2-core power line connection
Video output	SYV-75-2 coaxial cable for video

2.4 Camera/Optic data

Mode	SCC- B5335P
Image device	1/3" SUPER HAD IT CCD
Horizontal resolution	600line
Minimum illumination	0.3Lux
Video output	1Vp-p
Len zoom	8mm
Maximum aperture	F2.0
Visual angle	72°(H) x 25.3°(V)

2.5 Mechanical

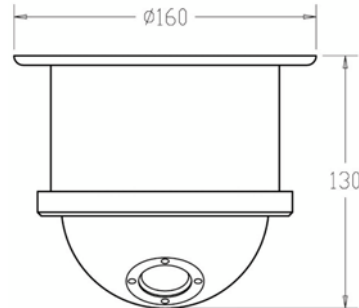
Protection	IP68
Material	stainless steel 304
Dimension	Φ160 x 130 mm
Pan adjust scope	360° Tilt
adjust scope	±35°
Window size	Φ25mm
Window thickness	8mm
Outlet hole quantity	1
Outlet hole thread	20mm
Weight	3.9Kg
Ship weight	5Kg
Mount type	Ceiling mount

2.6 Environmental

Air Pressure	86~106KPa
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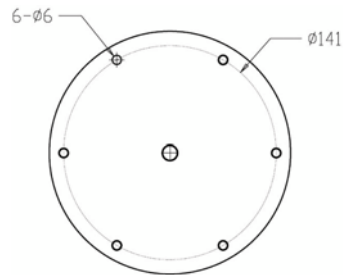
Temperature	-20℃~+50℃
Relative Humidity	U95%RH(+25℃)

2.7 Dimension



P1. Dimension

2.8 Installation Size

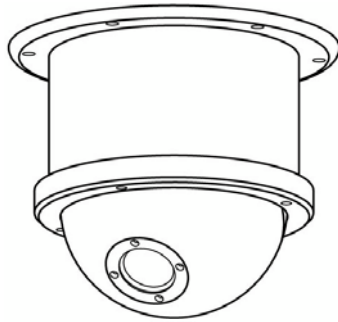


P2. Fix holes on diameter 14.1 mm bottom panels

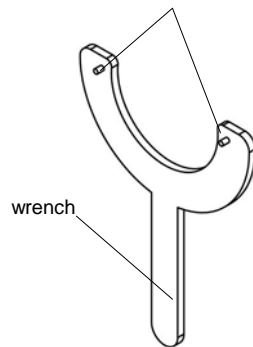
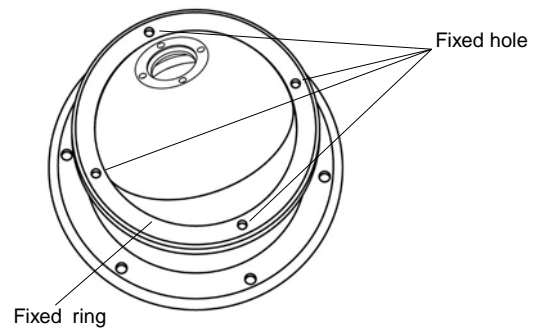
3. Installation and application

3.1 Hoisting

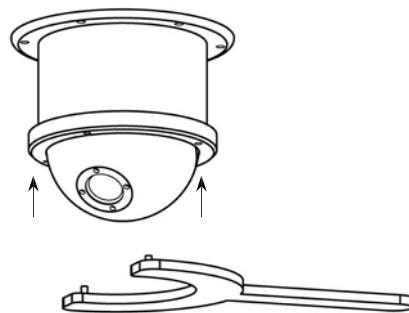
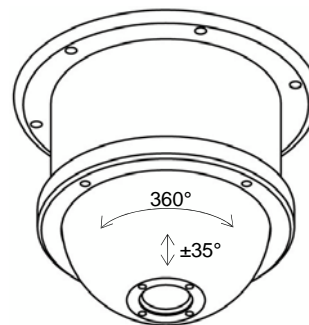
The product is suited to install by hoisting. The top camera is fixed to the ceiling directly. Pr-stay some room to routing in the outlet hole.

**P3. Top is fixed to the ceiling with bolt**

After the top is fixed , use the appropriate fittings of the factory (As picture 4). Adjust the camera monitor location according to the actual situation.

**P4. Wrench which used to adjust direction****P5. Hole which used to adjust direction**

Insert the round pin(front end of wrench into) into the adjust hole. Anticlockwise revolve 180°~360°. (Notice: number of turns can't be too much. Otherwise fixed ring may cause people hurt). After fixed ring is loose, take down the wrench. Manual adjust the position of dome. After adjust the position, tighten fixed ring clockwise with the wrench.

**P6. Loose fixed ring with a wrench****P7. Manual adjust monitoring direction**

3.2 Cable connection

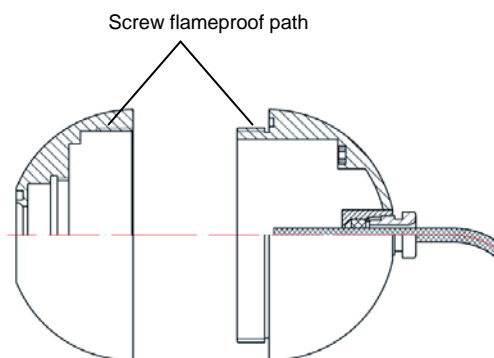
Composite cable included power cable and coaxial cable has been draw forth by the equipment when leave factory. The color of the cable as following:

T1. Cable Definition

Name	4-core cable	
Function	12VDC	Video output
Color	Red (+) , Black (—)	Black BNC receptacle

4. Flameproof structure

- „ Completely consider the explosive air getting into ex-proof structure, which may lead to explosion because of some reason and to confirm and ensure camera explosion proof performance based on its structure gap, length and max temperature it will get to.
- „ Enclosure shall burden water pressure testing for 1.5Mpa for 10~12 seconds without leakage as pass, which is ordered in GB3836.2-2000.
- „ Camera surface temperature max shall not over 80℃ while it is working
- „ Window glass adopts steel glass to burden Impact and Heat change testing.
- „ Window glass adopts steel glass to burden Impact and Heat change testing.



P8. Flameproof path picture

5. Trouble shooting

T2. Trouble shooting

Problems	Problems	Method
No image	Power off	Make sure the power is ok
	Video cable not good	Replace video cable
Sometime	Video cable not good	Replace video cable

6. Shipment and storage

After package, without rain or snow fall directly to product, shipment could do by air or sea and store for one year under the environment of -20°C~+60, humidity >90%.

7. Installation accessory

A wrench is equipped in the packing.

8. Guarantee

For any camera produced by Veilux, we promise one year to repair.

During Guarantee period, we supply free service except following situations:

- „ User does not operate as manual book requires
- „ User un-install the whole product by themselves
- „ Lightning or Act of God

If there are additional agreements between Veilux and buyer, then agreements shall be strictly done.

9. Statement

- „ Veilux owns the final design changing and final specification rights and no responsibility to inform user
- „ This manual book belongs to Veilux rights, without permits or any book inform, any company or private copy of whole or part of the book shall be prohibited.



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